

## EXECUTIVE SUMMARY

**Activity Description, ESA CFP/5-50147/25/NL/KA**  
**Kick-Start Fixed Call for Proposal**  
**Dated 15/07/2025**

**Digital Climate Passport for Retail Resilience (DCP-RR)**, is a GeoAI-enabled decision-support solution designed to help retail chains monitor and mitigate climate-related physical and transition risks across their real estate portfolios. The service generates a spatiotemporal digital twin for each retail asset, which OWLplaces' Hybrid Artificial Intelligence, combining machine learning with large language models, analyses to estimate Climate Value-at-Risk, identify vulnerabilities, and translate the data into actionable and understandable measures for climate resilience, decarbonisation, and energy efficiency tailored to each store, warehouse, or logistics hub.

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